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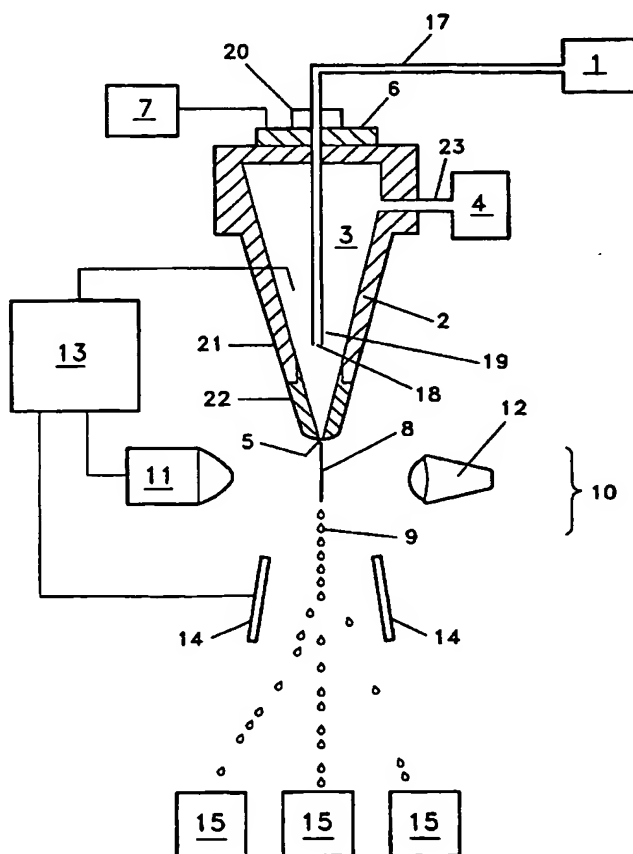
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(54) Title: HIGH RESOLUTION FLOW CYTOMETER



(57) Abstract: high resolution particle differentiation process and separation system that provides enhanced resolution of particles based upon selected particle characteristics. In particular, the system may include an enhanced resolution flow cytometer. In an embodiment, the invention can include at least one fluid source conduit (24) that introduces a fluid source stream (24) into an enhanced resolution nozzle (25) at an angle that enhances particle resolution by the cell sensing system (13).